

## ABSTRACT

A device for delivery of a stent for a vessel, used for implanting a stent for the vessel 3 in the vessel, is disclosed. The device for delivery of a stent for the vessel includes a catheter (1) for insertion into the vessel of a living body, a balloon (2) mounted on an outer peripheral surface of the distal end side of the catheter and inflatable with a fluid supplied to the catheter, a stent for the vessel (3), formed of a biodegradable polymer to a tube form, mounted on the balloon in a diameter-contracted state and having self-expanding properties, and a stent holding member (21) formed of a polymer material to a tube form for covering at least a portion of the stent for the vessel from the catheter for holding the stent for the vessel on the balloon. The stent holding member has been drawn in the longitudinal direction. In the distal end of the stent holding member, located towards the distal end of the catheter, there is formed a tearing assisting portion (22). The stent holding member is torn along the tearing assisting portion, by expansion of the stent for the vessel attendant on inflation of the balloon, to release its holding of the stent for the vessel to enable expansion of the stent for the vessel (3).